

Metal detector system mounted detachably to shoe sole +so user is not apparent

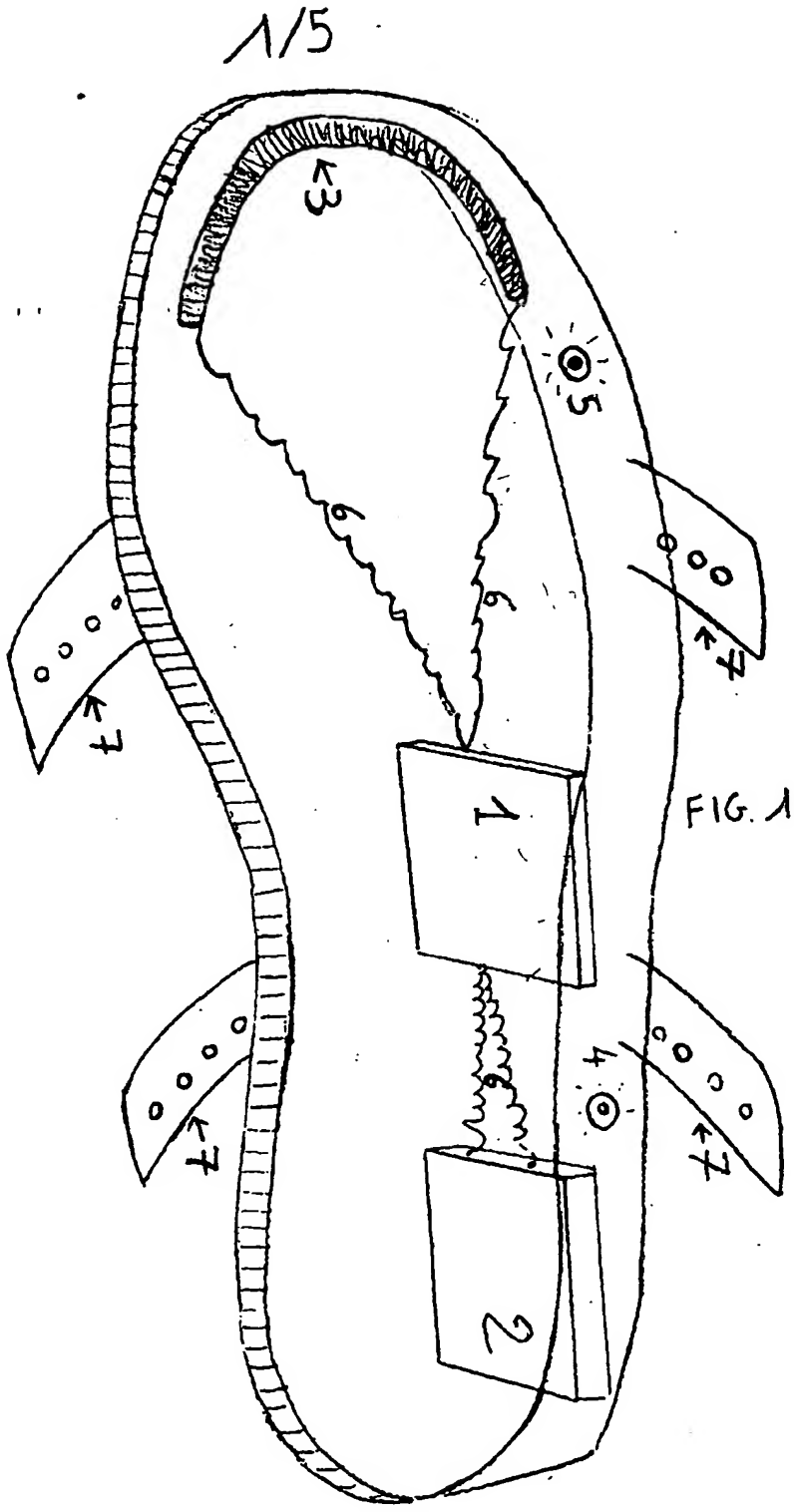
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- **international:** A43B3/00; G01V3/11; G01V3/12; G01V3/15
- **european:** A43B3/00B; G01V3/15
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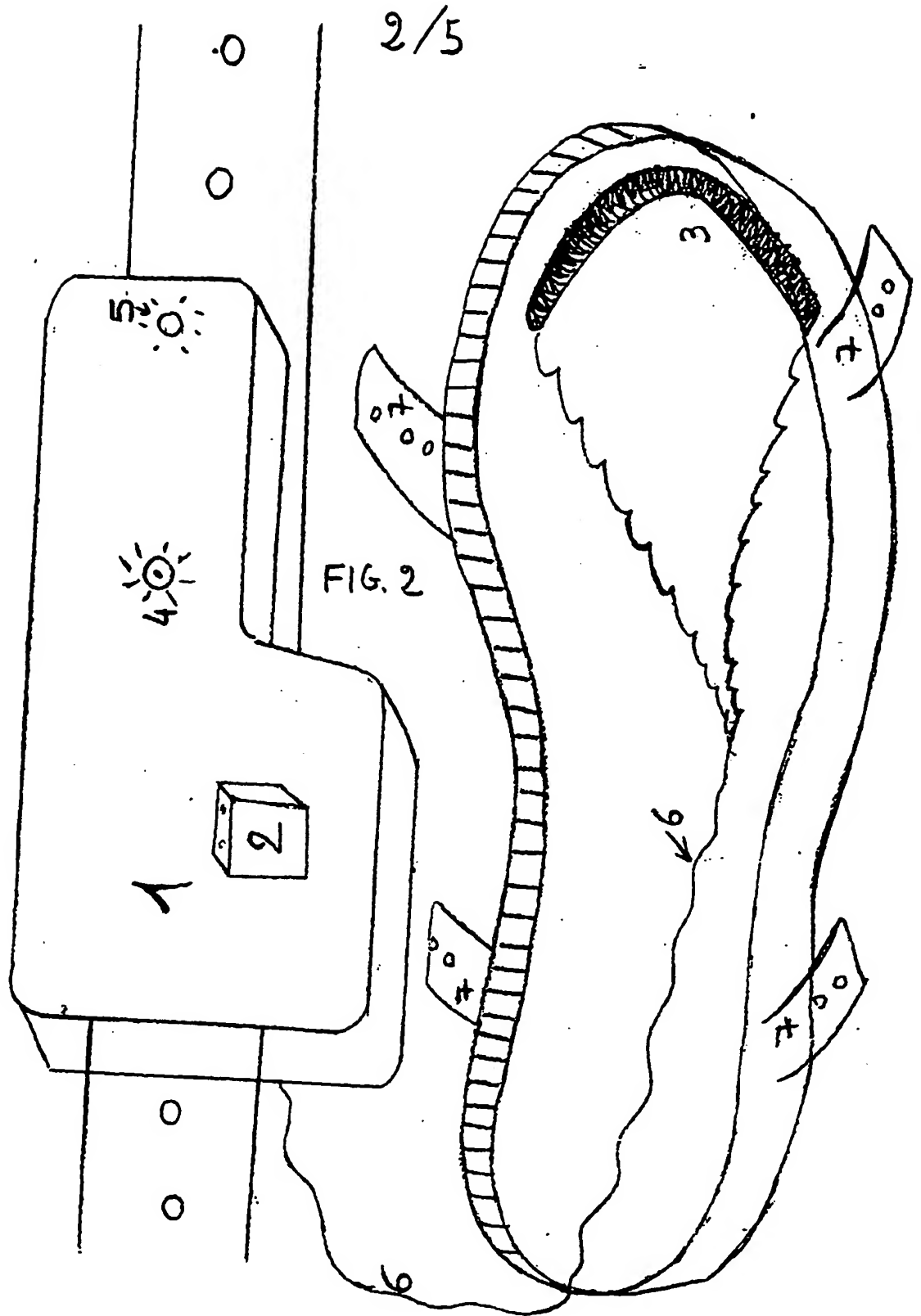
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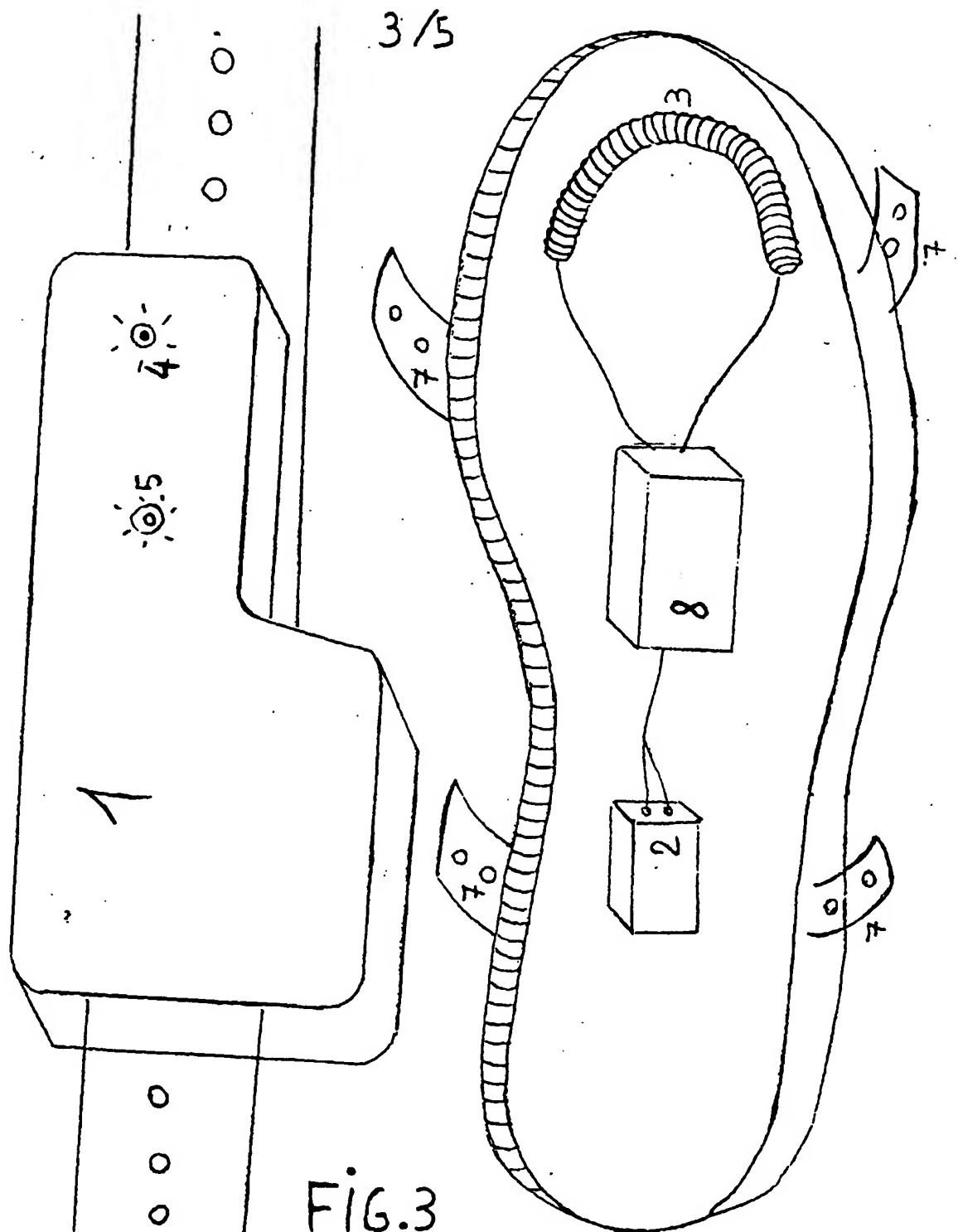
Abstract of FR2762487

The device finds buried metal objects without user obviously looking for them, and adaptable to all types of shoe. The device comprises an enclosed electronic circuit (1), an enclosed battery (2), an emitting and receiving coil for electromagnetic waves (3) integral with a detachable sole, a visual alarm (4), an audible alarm (5), and straps (7) for attaching to a shoe. The detecting coil within the sole is connected by a wire (6) to the battery and electronic circuit held in a bag which can be attached to the belt of the wearer or hung over his shoulder. The device can be adapted to indicate whether the detected device is ferrous or non-ferrous. The detection system works by detection of a change in the received electromagnetic field, which is due to metallic object. A water-tight version is available.

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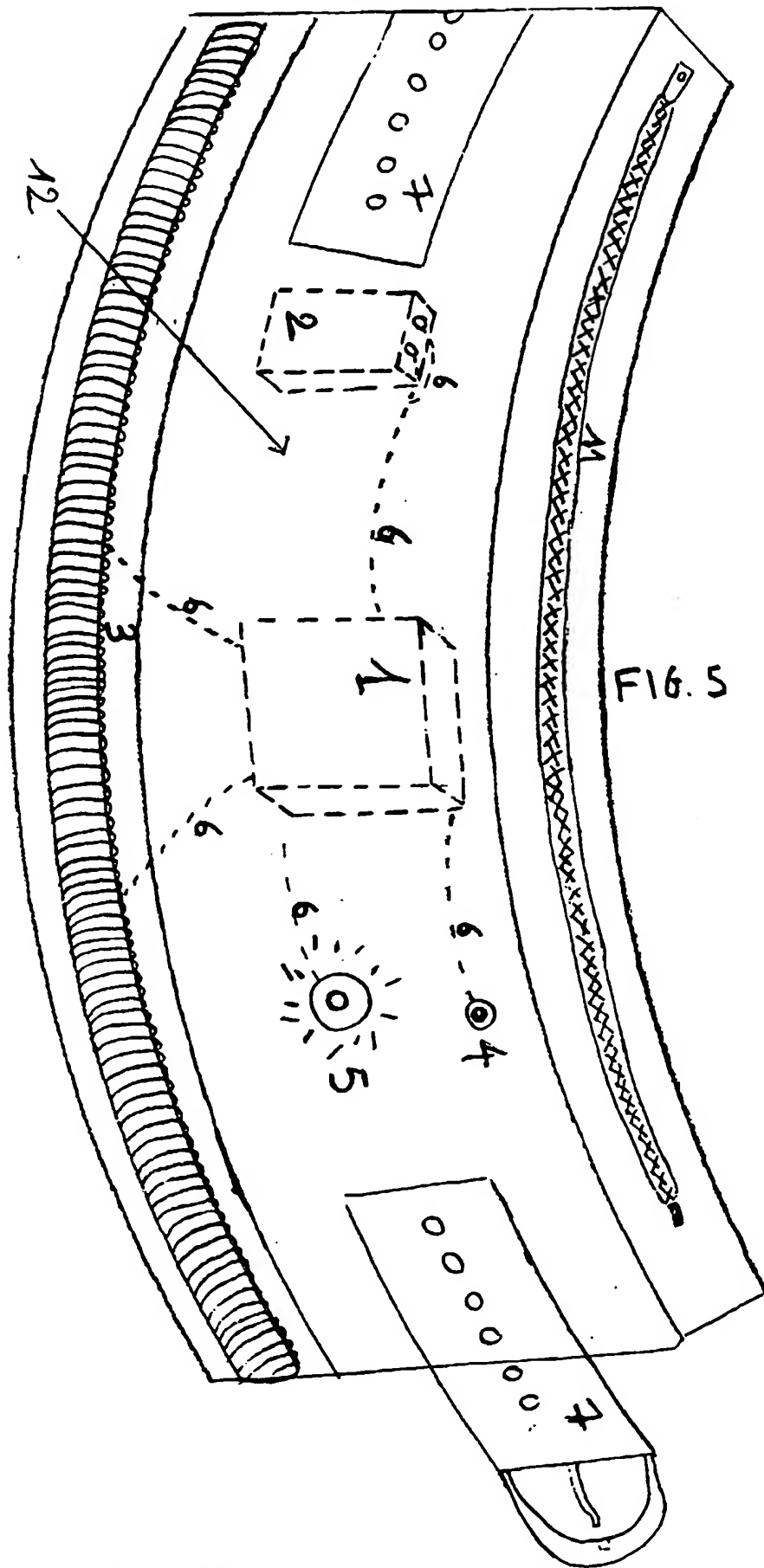


FIG. 5